

HEADQUARTERS
WARNER ROBINS AIR LOGISTICS CENTER
ROBINS AIR FORCE BASE, GEORGIA 31098

PR NUMBER: FD2060-01-82768

APPENDIX A

AF CONTRACT NUMBER: F09603-

DATE: 28 FEB 01

WORK SPECIFICATION

TYPE WORK: REPAIR

NOMENCLATURE: ROLL ACTUATOR

FEDERAL CLASS: 1270

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FILE NO: AN/AAQ-14/01-03/0

SECTION I: GENERAL

1.1 Information

1.1.1 This work specification is for the test, evaluation and repair of the equipment identified on the title page of this appendix.

1.1.2 The extent of repair required to assure a serviceable end item shall be determined by the contractor. The Government source inspector may perform an audit and/or resume complete inspection oversight as deemed necessary.

1.1.3 Contractor furnished material or parts used for replacement shall equal or exceed the quality of the original material or parts. The material or parts shall be entirely suitable for restoration of the end item for its intended purposes, and shall be completely interchangeable without alterations of either the parts or the end item.

1.1.4 Original design of the end item and parts thereof, or the design functional capabilities of the end item, shall not be changed, modified or altered unless such changes are authorized by the PCO or specified by publication or directive listed in Section IV.

1.1.5 Production Problems: Contractor will forward any production problems through the ACO to the PCO to WR-ALC/LYTSP, Jan Melvin, (478) 926-7163

1.2 Terms Explained: For the purpose of this work specification, the terms used herein are defined as follows:

1.2.1 Administrative Contracting Officer (ACO): The individual responsible for overall administration of the contract.

1.2.2 Bench Check: Visual inspection and functional check using shop facilities, equipment, procedures, and test parameters as set forth in Section IV.

1.2.3 Calibration: A comparison between two instruments, one of which is a standard of known accuracy, to detect and correlate or adjust any variation in the accuracy of the instrument being compared.

1.2.4 Component: A separate identifiable part of an end item, which performs a function within the system or subsystem and is necessary for the proper operation of that end item.

1.2.5 Data: All management, engineering, and logistic information, reports and documentation, which are required.

1.2.6 Depot Level or Maintenance Facility: An industrial type facility established to perform accessory overhaul functions or modifications and maintenance in support of field and using organizations. This includes commercial contractors who are engaged in performing depot level work on weapon systems or equipment under a contract issued and managed by AFMC.

1.2.7 Disassembly: Teardown of the item or parts sufficient to permit the type and amount of inspection and work required.

1.2.8 End Item: A recoverable article of equipment listed as a line item in the contract.

1.2.9 Expense Parts: Items that are nonrepairable and can be thrown away when no longer functional.

1.2.10 Inspect or Check: An examination of an item to determine identity, condition and proper installation.

1.2.11 Operational Check: A functional test of an accessory, component, or system accomplished in its installed environment to assure proper installation and operation.

1.2.12 Parts: Essential elements, components, or subassemblies of an item.

1.2.13 Procuring Contracting Officer (PCO): The individual authorized to enter into contract for supplies and services on behalf of the Government and who is responsible for overall acquisition process.

1.2.14 Test and Evaluation (T&E): Bench check of end item to determine the extent of repair necessary to return the end item to a serviceable condition or to determine if the end item should be condemned.

1.2.15 Repair: The restoration or replacement of parts or components of an item as necessitated by wear and tear, damage, or part failure in order to maintain the specific item in serviceable condition.

1.2.16 Repairable: An unserviceable item that can be repaired and restored to a serviceable condition.

1.2.17 Serviceable: An item conforming to the requirements and performing the function for which designed or modified and conforming to all test requirements established by work specification. Blemishes, small scratches and other cosmetic imperfections in metal parts shall not be cause for rejection.

1.2.18 Fast Transportation: End items shall be shipped per the fastest means available to destinations specified by the Government.

1.2.19 Repair Turn Around Time (TAT): turn around time is the time from receipt of a funded order or repairable end item, whichever is later, until shipment of serviceable end item from contractor's facility. This process shall be no longer than 45 days.

1.2.20 Contract Repair Team (CRT): The CRT may consist of but not be limited to: Logistics Management Specialist, Item Manager, Production Management Specialist, Procuring Contracting Officer (Chairperson), Administrative Contracting Officer, Government Transportation Representative, Contractor Contract Manager, Contractor Program Manager, and the on-site Government source representative.

1.2.21 Lean Logistics: Providing the right parts to the right place at the right time with as few system resources as possible, focusing on meeting customer mission requirements,, applying modern business practices, and making system-wide changes or process reengineering.

1.2.22 Response Time: Contractor's ability to respond within specified period of time after notification from the Government as set forth in Section II, Paragraph 2.3.

1.3 Data

1.3.1 USAF Reporting Requirements:

1.3.1.1 One (1) copy of DD Form 250 shall be forwarded to WR-ALC/LYTSP (Jan Melvin), 380 Richard Ray St, Ste 104, Robins AFB, GA 31098-1638.

1.3.1.2 G009 Reporting: End Item Production Transaction Reporting shall be accomplished IAW DD form 1423, Exhibit A for each USAF end item as completed (DI-ALSS-81533C). Requirement is real-time visibility of serviceable balances and response time to fill requisitions.

1.3.1.3 Maintenance Service Report, Actual Repair Flow Days reporting required IAW DD Form 1423, Exhibit B (DI-MGMT-80995/T).

1.3.2 Technical Data: The instructions for removal, disassembly, inspection, repair, adjustment, test, assembly, and reinstallation of components and equipment shall conform to applicable technical specifications listed in Section IV.

1.4 Security Requirements: Unclassified

1.5 Quality:

1.5.1 The contractor's quality system shall be established and maintained IAW ISO 9001, ISO 9002, ANSI/ASQC Q9002-1994, or previously approved government standard. Contractor's calibration system shall be IAW ANS/ANSLZ-540-1-1994. FAR 52.246-2 and 52.246-11 apply. The quality system shall be available for cognizant Government QAR review and acceptance prior to beginning production.

1.5.2 Corrective Action for Defects Reported: When requested, the contractor shall assist the cognizant contract administering organization in evaluating exhibits originally repaired under this contract to determine the root cause of deficiencies reported from field and depot organizations. Timely correction and reporting of defects found and corrective actions to prevent repeat discrepancies shall be an integral part of the contractor's quality procedures.

1.6 Condemnation: The contractor shall not condemn any end item unless the item has 80 percent of the hardware physically crushed, or the unit has suffered damage (from water, corrosion, electrical shorts, etc) which results in 80 percent of the end item having to be replaced. Condemnation must be coordinated through and approved by the ACO/PCO. Upon condemnation approval, contractor will dispose of end item in accordance with local plant procedures. Contractor is authorized to retain condemned end items for reclamation of bit and piece parts for repair of other end items. The Government source inspector may perform an audit and/or resume complete inspection oversight as deemed necessary.

SECTION II: RECEIPT, STORAGE, AND ISSUE OF EQUIPMENT AT FACILITY

2.1 Handling:

2.1.1 Equipment shall be handled and stored in such a manner as to prevent damage and theft.

2.1.2 Reusable containers shall be retained, stored and protected for reuse.

2.2 Initial Inspection: Perform a visual inspection of each item as soon as possible after receipt to ensure proper identification. Items received which are misidentified or misdirected shall be reported to the PCO through the ACO for disposition instructions.

2.3 Contractor shall induct end items for repair and shall manage repair to ensure 45 day turn around time, after receipt of a funded order or reparable end item, whichever is later.. Contractor is authorized to swap SRUs between LRUs to facilitate expeditious repair.

SECTION III: WORK REQUIREMENTS

3.1 General:

3.1.1 The information contained in this section is not intended to be all inclusive nor to detract from procedures outlined in specifications, and other directives listed in Section IV of this work specification, except where specifically noted herein.

3.1.2 Contractor shall be an active member of the Contract Repair Team (CRT).

3.1.3 Upon receipt of reparable into the contractor's facility, the contractor can perform *teardown and test and evaluation* on each end item to determine condition, parts needed, and estimated times to repair each candidate. Using this information, the contractor can control the release of materials to the repair line and maximize responsiveness, adopting the "easiest out" rather than the "first-in-first-out" (FIFO) method.

3.2 Specific Work Requirements:

3.2.1 Disassembly: Disassemble each item to the extent necessary to accomplish internal cleaning, inspection, test, repair or replacement of parts as required by this work specification.

3.2.3 Inspection: Visually inspect the end item and/or various disassembled components for defects such as, but not limited to, loose wire components, broken or missing parts, foreign matter, and corrosion.

3.2.4 Corrosion Control: During inspection and for functional test, the presence of corrosion on components or unit chassis shall constitute reason for a more thorough disassembly and inspection. Should corrosion be found on a component(s), disassembly shall be made only to the extent necessary to remove corrosion or replace parts. Corrosion removal and treatment of affected areas shall be accomplished using approved methods and materials IAW Specifications listed in Section IV.

3.2.5 Maintenance:

3.2.5.1 Work performed under this work specification includes all actions necessary to test, evaluate and return a reparable item to a serviceable condition.

3.2.5.2 Neither design nor functional capabilities shall be changed, modified or altered except when an Engineering Change Proposal (ECP) is submitted and approved.

3.2.6 Finishing:

3.2.6.1 Replace damaged, illegible, or missing instruction or data plates.

3.2.6.2 Permanently and legibly mark two serviceable tags (one each DD Form 1574 (heavy cardboard) and one each DD Form 1574-1 (paper) for each repaired end item with: the contractor's name, the Air Force contract number, national stock number, part number, and date of repair. Affix the DD Form 1574 (cardboard) to the end item. Place the other DD Form 1574-1 (paper) to the outside of the shipping container.

3.3 Contractor Performance Measurement: Contractor's performance under this effort shall be based principally upon contractor's ability to ship serviceable end items within 45 days after receipt of funded order or reparable end item, whichever is later. A key factor to responsiveness is Turn Around Time (TAT). Contractor performance will be evaluated based upon quality defects attributable to specification nonconformance and/or workmanship (Deficiency Reports) (reference para 1.5)

SECTION IV: TECHNICAL ORDERS AND OTHER DIRECTIVES

4.1 Applicable Technical Orders: None

4.1.1 General Technical Orders: None

4.2 Applicable Directives: None

4.3 Manufacturer Drawings and Specifications:

<u>CAGE CODE</u>	<u>MANUFACTURER</u>	<u>NUMBER</u>	<u>REV</u>	<u>DATE</u>
04939	Lockheed Martin	717521006	C	16 Mar 93
19710	MPC Products Inc	2W9-209A		
04939	Lockheed Martin	717521005	D	16 Mar 93
1K426	Litton Special Devices	87300000-02		
		87300000-03		
		87300000-04		
		87300000-05		

TAB A
SPECIAL TOOLS AND TEST EQUIPMENT

No special tools and test equipment required.